DIVISION OF PLANNING AND PERMITTING
FREDERICK COUNTY, MARYLAND
Department of Permits and Inspections

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Effective May 1, 2021

REQUIREMENTS FOR THE SUBMITTAL OF 2-WAY RADIO COMMUNICATION ENHANCMENT SYSTEMS

A. PERMIT PROCEDURES

1. Permits and submittals are required for all work. All information shall be submitted electronically using Department of Permits and Inspections application portal: https://planningandpermitting.frederickcountymd.gov/
   Application Type: Fire Permit
   Electronic plan submission will be made in Project Dox following application fee payment.
   INTERNAL CHANGES-
   - Create new type within Fire Permit application to include (BDA/DAS)
   - Trigger status check on non-residential building permits via check box on detail page if plan review determines requirement for system installation
2. Include any fee due at the time of submission.
   a. Fee schedule Section IV. Options:
   Fire Alarm & Detection Systems rates
   Plan Review Fees $159.00 per story Inspection Fees $159.00 per story

B. GENERAL SUBMITTAL REQUIREMENTS

1. The scope of work shall be clearly noted on the plans and in the supporting documentation.
2. All information submitted for review shall be consistent with the approved architectural plans (as applicable) and shall be reflective of intended field conditions.

C. DRAWINGS -Each sheet to be uploaded as a single PDF file into the *Drawings folder* of Project Dox.

1. Project name and address (include all addresses if more than one building).
2. Project owner's name and address including zip code (tenant for tenant work; building owner for shell buildings).
3. Building construction permit number and base building fire alarm permit number (where applicable).
4. Contractor's name, address, telephone number, & contact person.
5. Symbols & abbreviations key.
6. Minimum scale for floor plans is 1/8" per foot.
7. Location of all equipment to be installed with system(s).
8. Location of all partitions and doors.
9. Rating of any fire walls, partitions, floors, enclosures, etc.
10. Location of the main fire alarm control panel.
11. Modeling of the projected signal strength throughout the building.

12. The presence of 2-way wired in-building communication system (fire fighter's telephones).
13. Location of dedicated DAS/BDA monitoring panel

D. **EQUIPMENT**- To be uploaded into the *Documents folder* of Project Dox

1. Include catalog cuts and listings for all equipment to be used for system additions, submit existing equipment catalog cuts for coordination and to check compatibility.
2. Annotate all catalog cuts to show exact model(s) to be used.
3. Professional Engineer responsible for system design and evidence of qualifications.

E. **WIRING DIAGRAM/RISER DIAGRAM**-

1. This must be a point-to-point diagram showing all terminal connections at devices and panel(s).
2. Typical circuits or devices may be shown once.
3. Where applicable specific information about how survivability requirements are being met shall be included with the wiring/riser diagram.
4. Show all devices and panels.
5. Give all wire counts and circuit classifications.

F. **SEQUENCE OF OPERATIONS-**

1. How the system will interface with the building fire alarm. Specific information must include the annunciation of signals on the required monitoring panel and the main fire alarm control panel.

H. **CALCULATIONS**-

1. Secondary power supply calculations evidencing compliance with all applicable codes and standards. The system shall be capable of operation at 100% capacity for not less than 12 hours and the means by which this is accomplished.

I. **TESTING PLAN** -

1. Provide a detailed written testing plan which provides, at a minimum, the following information:
    a. How the testing will be conducted?
    b. Who will oversee the testing?
    c. What equipment will be used in the testing?
    d. How will you determine DAQ?
    e. What are the testing area parameters?
    f. What documentation will the testing produce?
    g. Name and qualifications of the supervising design and testing engineer.